

# Model MBP Miniature Beam Overload Protected Load Cell

Why the Interface model MBP Miniature Beam Overload Protected Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- 10X overload protection
- Low height – 1 in
- .0008%F temp. effect on output



## STANDARD CONFIGURATION

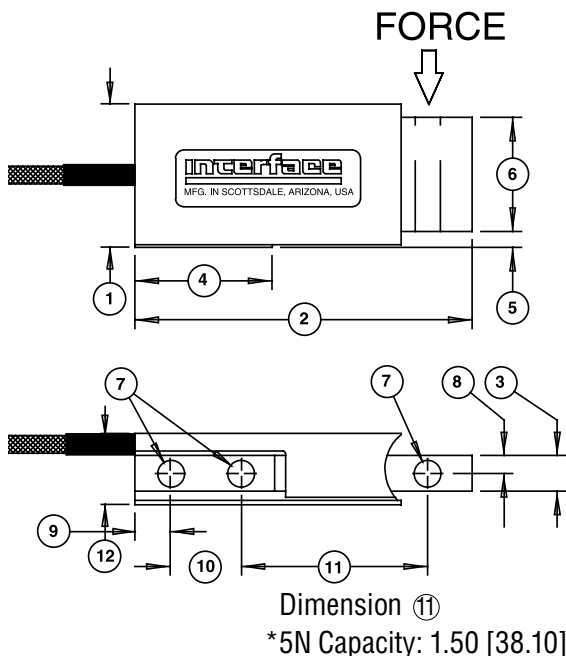
5 ft Integral Cable (MBP)

## OPTIONS\*

Cable Length  
Standardized Output

## ACCESSORIES\*

Instrumentation



## SPECIFICATIONS

### ACCURACY – (MAX ERROR)

Nonlinearity-% FS.....	±0.03
Hysteresis-% FS.....	±0.02
Nonrepeatability-% RO.....	±0.01
Creep, in 20 min-%.....	±0.025

### TEMPERATURE

Compensated Range-°F.....	0 to 150
Operating Range-°F.....	-65 to 200
Effect on Output-%/°F – MAX.....	±0.0008
Effect on Zero-% RO/°F – MAX.....	±0.0015

### ELECTRICAL

Rated Output-mV/V (Nominal).....	3.0
Zero Balance-% RO.....	±1.0
Bridge Resistance-Ohm (Nominal).....	350
Excitation Voltage – MAX.....	15 VDC
Insulation Resistance-Megohm.....	5000

### MECHANICAL

Calibration.....	Compression
Safe Overload-% CAP:	
2.5-10 lbf / 10-50 N.....	±1000
100 N.....	±500
Cable length-ft.....	5
Deflection @RO-inch.....	0.005 (0.13mm)

\*See appendix for more technical information

## DIMENSIONS

See Drawing	CAPACITY	
	U.S. (lbf)	Metric (N)
	2.5, 5, 10	*5, 10, 20, 50, 100
	inch	mm
①	1.01	25.7
②	2.38	60.5
③	0.25	6.4
④	0.97	24.6
⑤	0.14	3.6
⑥	0.75	19.1
⑦	0.17	4.3
⑧	0.13	3.3
⑨	0.25	6.4
⑩	0.50	12.7
⑪	1.31	*33.3
⑫	0.50	12.7